About Faculty

Name	: Prakash Pratik
Designation	: Senior Technical Assistant
Department	:Training Division
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Area of Expertise

Internet of Things (IoT), AIoT, Solar Photovoltaics, Rooftop Solar PV, Thermal modelling, 3-D modelling, CAD design, Python, C/C++, Verilog Programming, System-C, Xilinx, MATLAB, HyperMesh, ANSYS, COMSOL, CFD

Academic/Professional Qualification

Degree/ Certificate	University/Board/Institute	Year of Passing
M.S. (By research)	Indian Institute of Technology, Mandi	2019
B.tech (ECE)	National Institute of Technology, Patna	2012
I.SC	BSEB, Bihar	2007
Xth	BSEB, Bihar	2005

Experience

Teaching/ Training	
	I am having 6 years of research experience in the area of 3-D modelling of Solar Photovoltaics and thermal and electrical performance analysis of solar Photovoltaic module installed on rooftop. Also, I am having 2 years of teaching experience in IoT domain.

Others	I am having expertise in professional softwares like ANSYS, HyperMesh, Xilinx, Cadence, COMSOL.

Research Publications

Title	Year of Publication	Journal	Link (if any)
Thermal Model of Silicon Photovoltaic Module with Incorporation of CFD Analysis	2021	Springer	https://link.springer.com/article/10.1007/s12633-021-01184-3
THE EFFECT OF WIND SPEED ON THE THERMAL PROFILE OF PHOTOVOLTAIC MODULE UNDER CLOUDY SKY CONDITION	2018	Conference Paper	

Expert Lecture Delivered (outside NIELIT)

Topic	Institute/College
Internet of Things	Rayat Group of Institutions